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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/519,408	01/05/2005	Junya Maruyama	263861US3PCT	9967
22850	7590 05/22/2006		EXAMINER	
OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT, P.C.			JOHNSON, STEPHEN	
	ANDRIA, VA 22314		ART UNIT	PAPER NUMBER
			3641	<u></u>

DATE MAILED: 05/22/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

	T				
	Application No.	Applicant(s)			
Office Action Comment	10/519,408	MARUYAMA ET	AL.		
Office Action Summary	Examiner	Art Unit			
	Stephen M. Johnson	3641			
The MAILING DATE of this communication app Period for Reply	ears on the cover sheet with the c	orrespondence ad	ddress		
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DATE of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory period value to reply within the set or extended period for reply will, by statute Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timulated and will expire SIX (6) MONTHS from cause the application to become ABANDONE	J. hely filed the mailing date of this of D (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed on 05 Ja	nuary 2005.				
-	action is non-final.				
3) Since this application is in condition for allowar	nce except for formal matters, pro	secution as to the	e merits is		
closed in accordance with the practice under E	·				
Disposition of Claims					
4) Claim(s) 1-5 is/are pending in the application.					
4a) Of the above claim(s) is/are withdraw	vn from consideration.				
5) Claim(s) is/are allowed.					
6)⊠ Claim(s) <u>1-5</u> is/are rejected.					
7) Claim(s) is/are objected to.					
8) Claim(s) 1-5 are subject to restriction and/or el	ection requirement.				
Application Papers					
9) The specification is objected to by the Examine	r.				
10) The drawing(s) filed on is/are: a) accepted or b) objected to by the Examiner.					
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).					
Replacement drawing sheet(s) including the correct	ion is required if the drawing(s) is ob	jected to. See 37 C	FR 1.121(d).		
11)☐ The oath or declaration is objected to by the Ex	aminer. Note the attached Office	Action or form P	TO-152.		
Priority under 35 U.S.C. § 119					
12) Acknowledgment is made of a claim for foreign a) All b) Some * c) None of:	priority under 35 U.S.C. § 119(a))-(d) or (f).			
1. ☐ Certified copies of the priority documents	s have been received.				
2. Certified copies of the priority documents		on No			
3. Copies of the certified copies of the prior	rity documents have been receive	ed in this National	l Stage		
application from the International Bureau	ı (PCT Rule 17.2(a)).				
* See the attached detailed Office action for a list	of the certified copies not receive	ed.			
	,				
Attachment(s) 1) X Notice of References Cited (PTO-892)	4) Interview Summary	(PTO-413)			
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948)	4) Interview Summary Paper No(s)/Mail Da				
3) X Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)	5) Notice of Informal P	atent Application (PT	O-152)		
Paper No(s)/Mail Date <u>1/2005; 7/2005</u> .	6)				

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1. Restriction to one of the following inventions is required under 35 U.S.C. 121:

- I. Claims 1-4, drawn to a gas generator, classified in class 102, subclass 202.14.
- II. Claim 5, drawn to a holder, classified in class 102, subclass 202.9.
- 2. The inventions are independent or distinct, each from the other because:
- 3. Inventions I and II are related as combination and subcombination. Inventions in this relationship are distinct if it can be shown that (1) the combination as claimed does not require the particulars of the subcombination as claimed for patentability, and (2) that the subcombination has utility by itself or in other combinations (MPEP § 806.05(c)). In the instant case, the combination as claimed does not require the particulars of the subcombination as claimed as evidenced by claims 1 and 5 (ABbr and Bsp). The subcombination has separate utility such as utility with a gas generator lacking a dual case arrangement (see items 3, E).
- 4. Because these inventions are independent or distinct for the reasons given above and have acquired a separate status in the art in view of their different classification and divergent subject matter, restriction for examination purposes as indicated is proper.
- 5. Applicant is advised that the reply to this requirement to be complete **must include (i) an election of a species or invention to be examined** even though the requirement be traversed (37
 CFR 1.143) and (ii) identification of the claims encompassing the elected invention.

The election of an invention or species may be made with or without traverse. To reserve a right to petition, the election must be made with traverse. If the reply does not distinctly and specifically point out supposed errors in the restriction requirement, the election shall be treated as an election without traverse.

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Should applicant traverse on the ground that the inventions or species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the inventions or species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C.103(a) of the other invention.

6. Claims 3 and 5 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

In claim 3, line 2, applicant claims "a second cup case E". How is this cup case intended to relate to the previously claimed second cup case (see claim 1, line 2)? In claim 3, line 3, applicant claims "to shield the ignition charge D". From what is the ignition charge D shielded and in what way? In claim 3, lines 5 and 8; and in claim 5, lines 2 and 3; applicant claims "the closing plug B". This terminology lacks an antecedent. How is the closing plug B intended to relate to the previously claimed "header B" (see claim 3, line 2; and claim 5, line 1)?

7. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

8. Claim 5 is rejected under 35 U.S.C. 102(b) as being anticipated by Adams et al. (675).

Adams et al. (675) disclose a holder comprising:

a) a tapered portion;

see figs. 2, 4

b) a squib and associated header;

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d) a second cup case;

e) an ignition charge;

g) a holder;

f) a squib case with hole;

5

6

2

23, 24

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h) crimping;

i) holes in the holder; portion of 24 containing 3

30

j) electrode pins; 7, 8

k) area in the range of 2-10 times cross-sectional area; and see fig. 1

l) projecting portions. bottom portions of 3

11. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

- (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 12. Claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Nippon KKK (WO 01/26938 A1) in view of Novak et al. (679).

Nippon KKK applies as previously recited. However, undisclosed is a holder that is composed of a metal material. Novak et al. teach a holder that is composed of a metal material (col. 2, lines 21-23). Applicant is substituting one material type for another in an analogous art setting as explicitly encouraged by the secondary reference (see col. 2, lines 21-23 of Novak et al.). It would have been obvious to a person of ordinary skill in this art at the time of the invention to apply the teachings of Novak et al. to the Nippon KKK gas generator and have a gas generator with a particular material type of holder.

- 13. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Amano (796) is included as an English equivalent of Nippon KKK.
- 14. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Stephen M. Johnson whose telephone number is 571-272-6877

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and whose e-mail address is (<u>Stephen.Johnson@uspto.gov</u>). The examiner can normally be reached on Tuesday through Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Carone can be reached on 571-272-6873. The Central FAX phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 800-786-9199.

STEPHEN M. JOHNSON PRIMARY EXAMINER

Inde u los

Stephen M. Johnson Primary Examiner Art Unit 3641

SMJ May 17, 2006